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**Mail Stop Patent Application**

**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

New U.S. Patent Application  
Title: QUANTUM MEMORY AND INFORMATION PROCESSING  
METHOD USING THE SAME  
Inventors' Names and Residences:

- 1) Kouichi ICHIMURA  
Yokohama-shi, Japan
- 2) Noritsugu SHIOJAWA  
Yokohama-shi, Japan

Sir:

We enclose the following papers for filing in the United States Patent and Trademark Office in connection with the above patent application.

1. Application- 32 pages, including 3 independent claims and 17 claims total.
2. Drawings- 3 sheets of formal drawings containing 8 figures. (Figures 1-8).
3. Certified copy of Japanese Application No. 2003-029549, filed February 6, 2003.
4. Information Disclosure Statement and Information Disclosure Citation, PTO 1449 with 2 documents attached.
5. The filing fee is calculated as follows:

Basic Application Filing Fee					\$770	\$ \$770.00
	Number of Claims		Basic	Extra Claims		
Total Claims	17	-	20		x \$18	
Independent Claims	3	-	3		x \$86	
<input type="checkbox"/> Presentation of Multiple Dep. Claim(s)					+\$290	
Subtotal						\$ 770.00
Reduction by 1/2 if small entity						-
TOTAL APPLICATION FILING FEE						\$ 770.00

6. A check for \$770.00 is enclosed for the filing fee.

This application is being filed under the provisions of 37 C.F.R. § 1.53(f). Applicants await notification from the Patent and Trademark Office of the time set for filing the Declaration.

Applicants claim the right to priority based on Japanese Application No. 2003-029549, filed February 6, 2003.

Please address all correspondence with respect to this application to:

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Please accord this application an application number and filing date.

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The Commissioner is hereby authorized to charge any additional filing fees due and any other fees due under 37 C.F.R. § 1.16 or §1.17 during the pendency of this application to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

By: 

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RVB/FPD/gah  
Enclosures